

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. -9. (cancelled)

10. (currently amended) A method for processing data, comprising:

storing and recalling data in a plurality of data storage logical units (LUs), comprising a plurality of physical media, responsively to commands; and

configuring in each of a plurality of ports a plurality of LU command queues, each of the plurality of LU command queues corresponding to a respective one of the LUs, such that upon receiving a command directed to a specific LU ~~one of the LUs~~ at a given port, the given port places the received command in the ~~respective~~ LU command queue for the specific LU, converts the received command to one or more converted commands at least some of which are directed to the plurality of the physical media of the ~~one of the LUs~~ specific LU, and conveys the at least some converted commands to the plurality of the physical media in an order determined by the ~~respective~~ LU command queue, so that an order of arrival of the conveyed converted commands at the specific LU complies with the order of arrival of the received command at the given port, and wherein an order of arrival of concurrent commands at different ports is unrelated to an order of execution of respective converted commands of the concurrent commands.

11. (previously presented) The method according to claim 10, wherein the command is comprised in one of a plurality of strings of commands each directed to a respective one of the ports, and further comprising coupling each of the ports to receive the respective string of commands directed thereto.

12. (previously presented) The method according to claim 10, wherein the plurality of ports comprises a first port and a second port, the method further comprising:

conveying from the first port a first string of the at least some converted commands in a first order to the physical media;

conveying from the second port a second string of the at least some converted commands in a second order to the physical media;

wherein storing and recalling the data comprises, at the physical media:

receiving the first string and storing and recalling the data in response to the first order; and

receiving the second string and storing and recalling the data in response to the second order.

13. (original) The method according to claim 10, wherein the command comprises a request according to a small computer system interface (SCSI) protocol, and wherein the plurality of ports are comprised in a storage system operative according to the SCSI protocol.

14. (original) The method according to claim 10, wherein each of the plurality of ports operates substantially independently of other ports comprised in the plurality.

15. (original) The method according to claim 10, wherein the command is comprised in one of one or more strings of commands, each command of each string being directed via one of the ports to a respective one of the LUs, and comprising:

receiving the commands comprised in the one or more strings;

sorting the commands according to the ports via which the commands are directed; and

conveying the commands to the ports to which the commands are directed.

16. (previously presented) The method according to claim 10, wherein the received command comprises a write command to store a data string from a host to the plurality of the physical media, wherein the one or more converted commands comprise instructions to the host to convey the data string to the plurality of the physical media via the port, and wherein the port is adapted to convey the instructions to the host.

17. (currently amended) The method according to claim 10, wherein the received command comprises a read command from a host to read a data string from the plurality of the physical media, and wherein the one or more converted commands comprise instructions to convey the data string via the given port to the host.

18. (currently amended) The method according to claim 10, wherein the plurality of the physical media comprise the data, and comprising tracking at the given port changes of location of the data within the plurality of the physical media.

19. - 21. (cancelled)

22. (currently amended) The method according to claim 10, wherein at least one of the converted commands directed to the plurality of the physical media is first sent to a fast access time memory acting as a buffer, said fast access time memory being adapted to redirect the at least some converted commands ~~converted command~~ to a respective physical media.

23. (cancelled)

24. (previously presented) The method according to claim 10, wherein the plurality of the physical media comprise a plurality of slow access time non-volatile physical media.

25. (cancelled)

26. (previously presented) The method according to claim

10, wherein a particular physical media of the plurality of the physical media changes over time.

27. (cancelled)

28. (previously presented) The method according to claim 10, wherein each data storage logical unit (LU) is distributed across a plural subset of the plurality of the physical media.

29. (cancelled)

30. (currently amended) The method according to claim 10, wherein the given port converting the received command to the one or more converted commands converts a logical block address and a length of a data string included in the received command; and

wherein the converting operation performed by the port also determines if the command is one of a read command and a write command.